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UNITED STATES MILITARY ACADEMY

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TRENDS IN
ADMISSION VARIABLES
THROUGH THE
CLASS OF 1978

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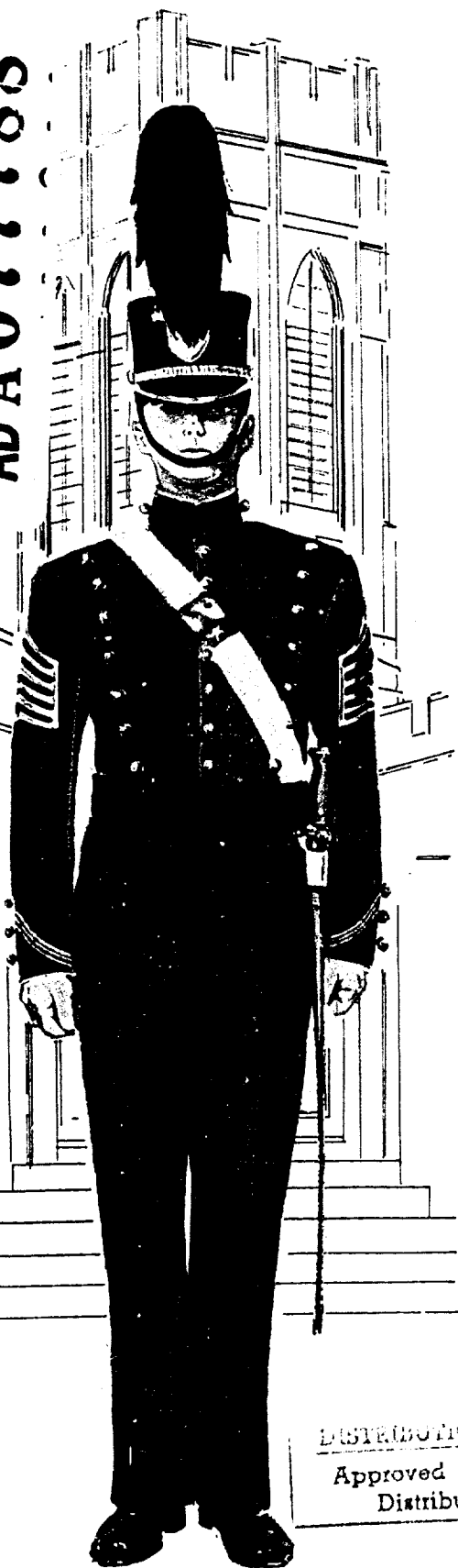
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TRENDS IN ADMISSION VARIABLES THROUGH THE CLASS OF 1978

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ABSTRACT

The United States Military Academy uses the Whole Man concept in the selection of candidates for admission. This concept encompasses three broad areas: scholastic, leadership potential, and physical condition and aptitude. The entrance scores for each of these areas are compared with previous classes. The American College Testing Program scores were used to admit 402 cadets to the Class of 1978. These scores are included, but since this is only the third year they were used, there are not enough scores of previous classes to show trends. The Class of 1978 compared to previous classes has a slight increase in its academic potential. The mean Leadership Potential Score is down slightly from last year. The mean Physical Aptitude Examination scores are up slightly. Trend data for the Classes of 1969 to 1978 are presented. An important point in interpreting the data is that the total number of candidates increased greatly for the Classes of 1974 through 1978 compared to the Classes of 1973 and before.

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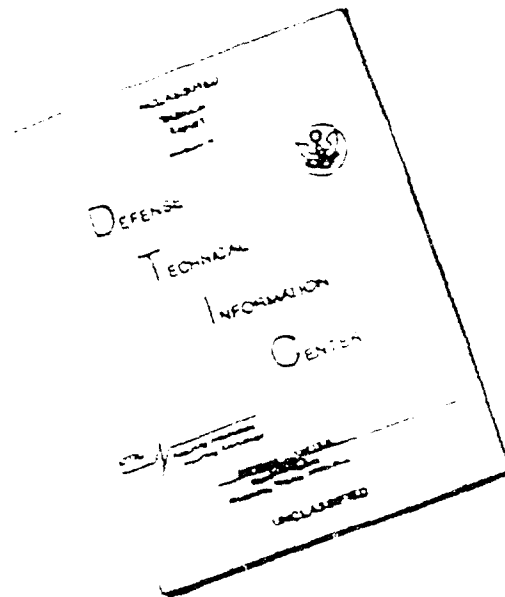
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PREFACE

This report, along with the report, Characteristics of the Class of 1978, prepared in October 1974, and the report, New Cadets and Other College Freshmen, Class of 1978, to be prepared in the Spring of 1975, comprise the general reports prepared by the Office of the Director of Institutional Research to describe the Class of 1978 at the time members of the Class entered the Academy.

The same three reports were prepared for the Classes of 1971 through 1977. (For 1971 this report was called Analysis of the Characteristics of the Class of 1971, and for the Classes of 1972 and 1973 it was called Background and Predicted Success of Cadets in the Classes of ---- with Comparison with Previous Classes.) Similar reports are planned on each future class when it enters the Academy.

The following abbreviations are used in this report:

| | |
|--------|--|
| CEER | College Entrance Examination Scores and High School Rank scores statistically combined |
| HSR | High School Rank score |
| LPS | Leadership Potential Score |
| PAE | Physical Aptitude Examination |
| SAT-V | Scholastic Aptitude Test - Verbal |
| SAT-M | Scholastic Aptitude Test - Mathematics |
| WMS | Whole Man Score |
| ASR | Aptitude for the Service Rating |
| ACT-EN | American College Test - English |
| ACT-MA | American College Test - Mathematics |
| ACT-NA | American College Test - Natural Science |
| ACEER | A composite score of ACT tests and HSR |

PERFORMANCE MEASURES

1. Academic Qualifications

a. The mean College Entrance Examination Board and American College Test scores for members of the Classes of 1978 and 1977 who were admitted by use of the respective scores are:

| | <u>'78</u> | <u>'77</u> |
|---|------------|------------|
| Scholastic Aptitude Test - Verbal | 562 | 545 |
| Scholastic Aptitude Test - Mathematics | 635 | 616 |
| American College Test - English | 22.5 | 21.7 |
| American College Test - Mathematics | 29.5 | 28.7 |
| American College Test - Natural Science | 28.8 | 27.8 |
| High School Rank Score | 558 | 541 |

b. The differences in scores for SAT-V, SAT-M, ACT-Eng, ACT-Math, ACT-Natural Science, and HSR are all statistically significant.*

c. Comparisons with available data aid in interpreting the level of these scores. The mean cadet score for the Class of '78 on SAT-V is higher than that of 83% of a representative sample of male secondary school seniors. The mean cadet score on SAT-M was higher than that of 84% of the secondary school seniors. The mean of 492,000 male secondary school college bound seniors in the 1973-1974 school year on SAT-V is 447 and on SAT-M is 501. The means of the American College Test scores were well above the national norms for men at 965 colleges. The mean cadet score for the Class of '78 on ACT-English is higher than 83% of the men used in the national norm; the mean cadet ACT-Math score is higher than 90% of those in the national norm; and the mean cadet ACT-Natural Science score is higher than 86% of those in the national norm.

d. The mean scores of the Scholastic Aptitude Test of all high school seniors, male and female, nationwide has shown a steady decline over the past eleven years; however, the mean scores of the 1973-74 seniors were virtually identical to the scores of the 1972-73 seniors.

| <u>College Class</u> | <u>Year Tested</u> | <u>Verbal</u> | <u>Mathematics</u> |
|----------------------|--------------------|---------------|--------------------|
| Class of '68 | 1963-64 | 475 | 498 |
| '69 | 1964-65 | 473 | 496 |
| '70 | 1965-66 | 471 | 496 |
| '71 | 1966-67 | 467 | 495 |
| '72 | 1967-68 | 466 | 494 |
| '73 | 1968-69 | 462 | 491 |
| '74 | 1969-70 | 461 | 488 |
| '75 | 1970-71 | 454 | 487 |
| '76 | 1971-72 | 450 | 482 |
| '77 | 1972-73 | 445 | 481 |
| '78 | 1973-74 | 444 | 480 |

2. Potential for Success at USMA. Selection for admission is based on ability in three areas: academic aptitude, physical aptitude, and leadership potential.



a. Each candidate is evaluated either on his College Board scores (CEER) or his American College Test program scores (ACEER). If he has both, the higher of the two is

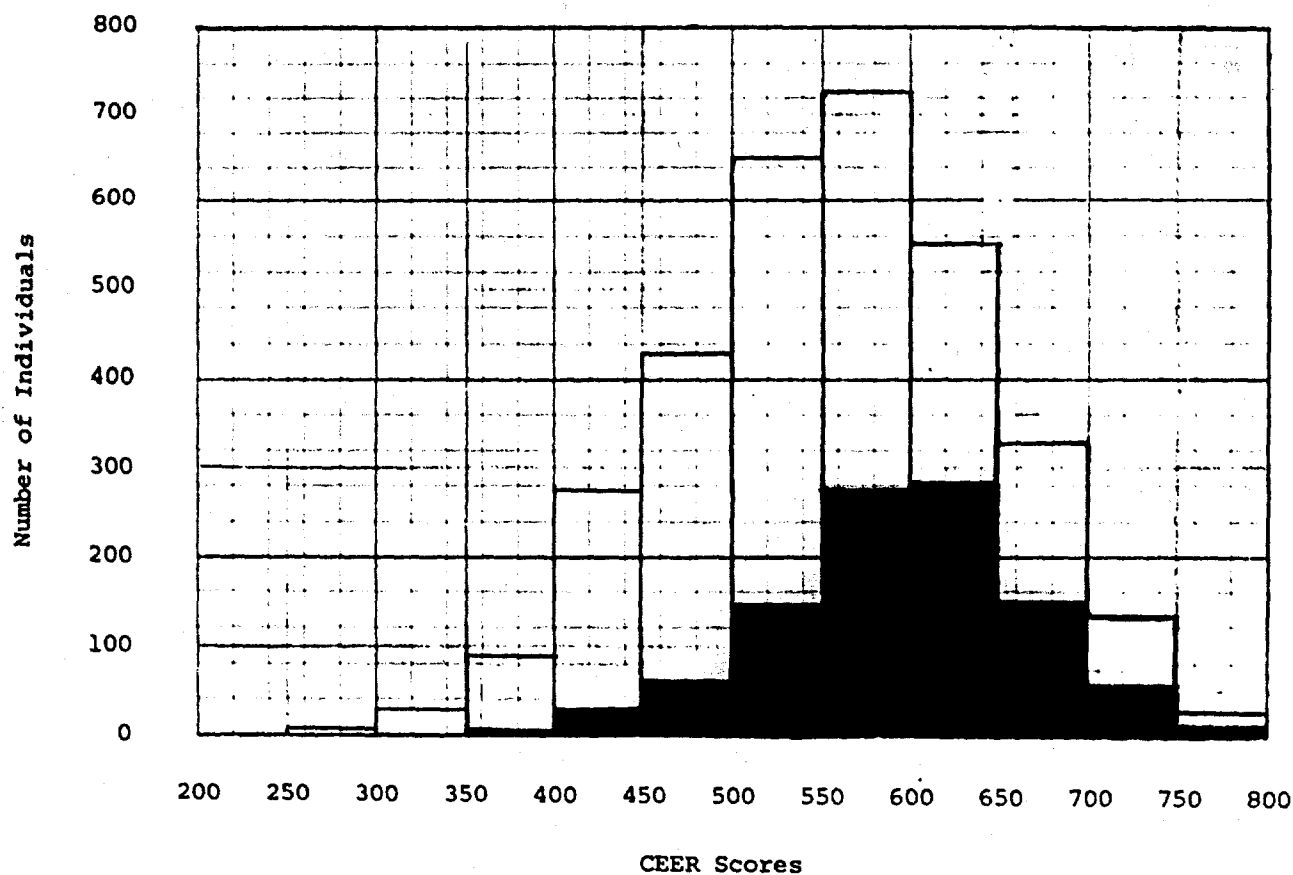
*Statistical significance referred to in this report is at the .05 level.

used. Figure 1 provides a graphic comparison of the number of cadets within each CEER range as shown in Table 1, with the number of completely examined candidates within the same ranges. Figure 2 shows a similar comparison of candidates and cadets evaluated using ACEER scores.

b. General Potential for Physical Activities. The average Physical Aptitude Examination score of 541 is not significantly different from the average of 537 made by the entering Class of 1977. The number of entering cadets with PAE scores below 450, as reported in Table 1, decreased from 170 last year to 103 this year. A graphic comparison of the distribution of PAE scores in the Class of 1978 with that in the candidate population from which it was drawn is provided by Figure 3.

c. Leadership Potential. The Leadership Potential Scores are derived from the ratings of the candidate by his secondary school teachers and evaluations by admissions officials of his quality of participation in athletic and other school and community activities. The mean LPS for this Class (594) is significantly lower than the mean of the Class of 1977 (613). A graphic comparison of the distribution of Leadership Potential Scores in this Class with that in the candidate population is provided in Figure 4.

| | | | | | |
|------------|---|------------|------|--------|-------|
| Candidates |  | Candidates | 3264 | 557.19 | 84.50 |
| Cadets |  | Cadets | 1033 | 596.58 | 69.42 |





| | | | | | | | | | | | | |
|----------------|---|---|----|-----|-----|------|------|------|------|------|------|------|
| No. Candidates | 1 | 7 | 25 | 93 | 274 | 427 | 645 | 734 | 570 | 327 | 138 | 23 |
| % Entered | 0 | 0 | 0 | 1.1 | 8.4 | 16.2 | 24.5 | 37.2 | 48.4 | 48.6 | 46.4 | 43.5 |
| No. Cadets | 0 | 0 | 0 | 1 | 23 | 69 | 158 | 273 | 276 | 159 | 64 | 10 |

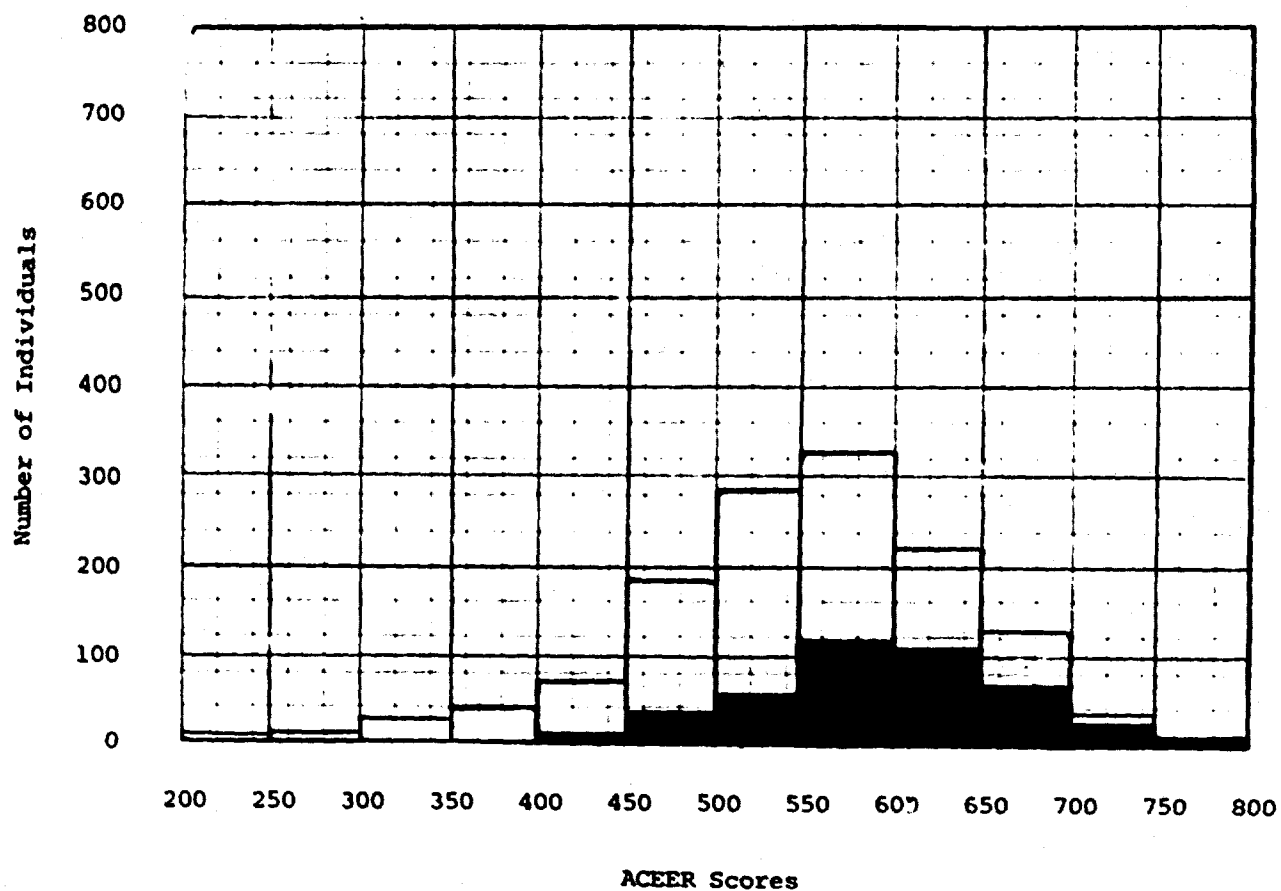
FIGURE 1. COMPARISON OF THE NUMBER OF CADETS (EVALUATED USING CEER) WITH THE NUMBER OF FULLY EXAMINED CANDIDATES (EVALUATED USING CEER) AT EACH CEER SCORE LEVEL FOR THE CLASS OF 1978.

TABLE 1

DISTRIBUTION OF SCORES ON WHOLE MAN SCORE COMPONENTS FOR THE CLASS OF 1978



| Score Ranges | Academic | | | | Physical Aptitude (PAE) | | Leadership Potential (LPS) | |
|-----------------|----------|------|--------|------|-------------------------------|------|----------------------------------|------|
| | CEER | | ACEER | | | | | |
| | No. | % | No. | % | No. | % | No. | % |
| 750-800 | 10 | 1.0% | 3 | 0.7% | 4 | 0.3% | 4 | 0.3% |
| 700-749 | 64 | 6.2 | 18 | 4.5 | 24 | 1.7 | 74 | 5.2 |
| 650-699 | 159 | 15.4 | 67 | 16.7 | 91 | 6.4 | 266 | 18.5 |
| 600-649 | 276 | 26.7 | 106 | 26.4 | 216 | 15.1 | 395 | 27.5 |
| 550-599 | 273 | 26.4 | 112 | 27.9 | 318 | 22.2 | 305 | 21.3 |
| 500-549 | 158 | 15.3 | 59 | 14.7 | 369 | 25.8 | 236 | 16.4 |
| 450-499 | 69 | 6.7 | 32 | 8.0 | 307 | 21.4 | 110 | 7.7 |
| 400-449 | 23 | 2.2 | 5 | 1.2 | 98 | 6.8 | 37 | 2.6 |
| 350-399 | 1 | 0.1 | 0 | 0 | 4 | 0.3 | 8 | 0.6 |
| 300-349 | 0 | 0 | 0 | 0 | 1 | 0.1 | 0 | 0 |
| 250-299 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <hr/> | | | | | | | | |
| Total | 1033 | | 402 | | 1432 | | 1435 | |
| Mean | 596.58 | | 595.76 | | 541.02 | | 594.21 | |
| S.D. | 69.42 | | 66.53 | | 70.39 | | 72.03 | |

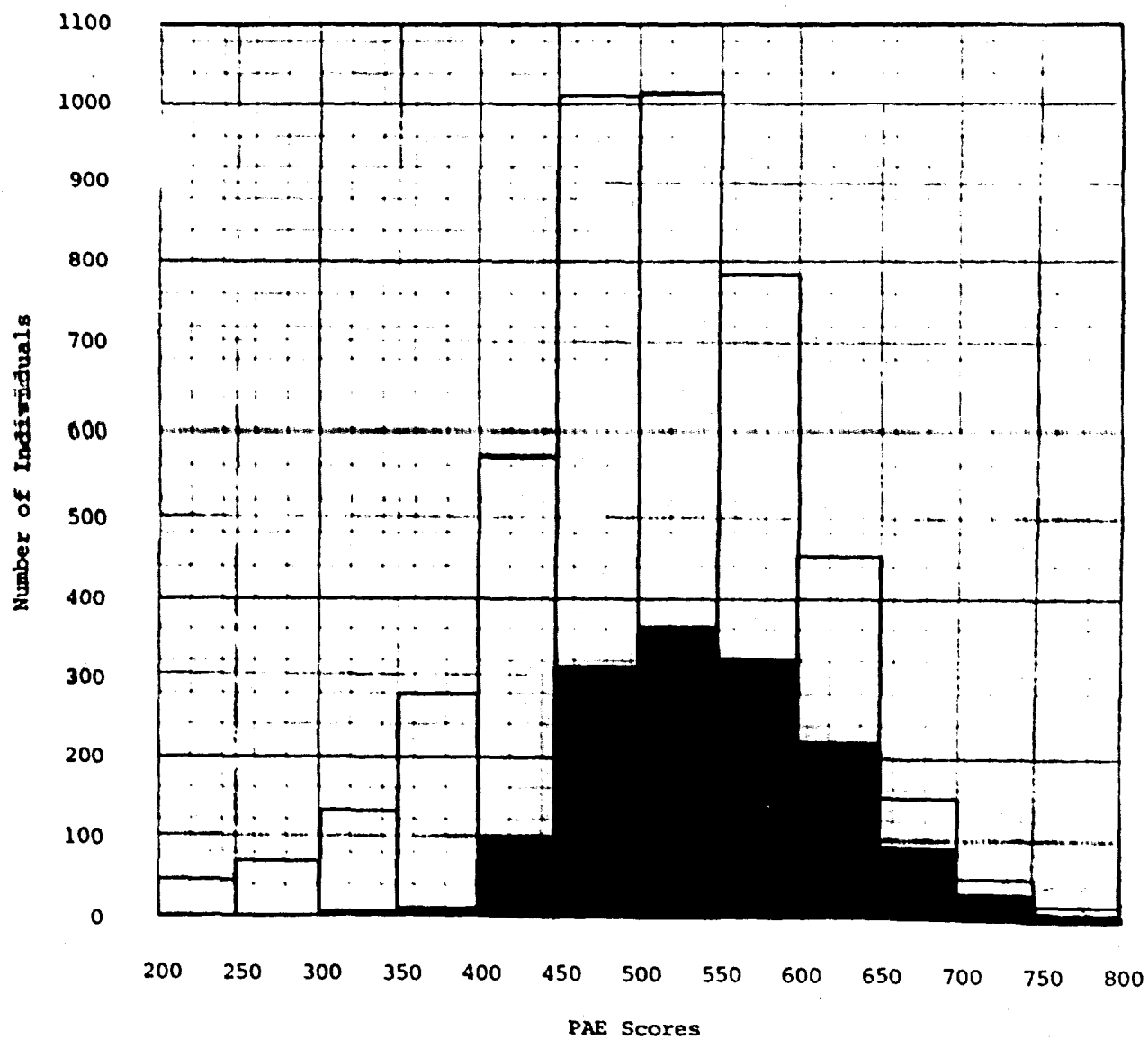
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|------------|---|------------|--------|--------|-------|
| Candidates |  | Candidates | Number | Mean | SD |
| | | | 1324 | 551.89 | 85.42 |
| Cadets |  | Cadets | 402 | 595.76 | 66.53 |



| | | | | | | | | | | | | |
|----------------|---|---|----|----|-----|------|------|------|------|------|------|-----|
| No. Candidates | 3 | 6 | 20 | 37 | 76 | 188 | 286 | 325 | 221 | 127 | 32 | 3 |
| % Entered | 0 | 0 | 0 | 0 | 6.6 | 17.0 | 20.6 | 34.5 | 48.0 | 52.8 | 56.3 | 100 |
| No. Cadets | 0 | 0 | 0 | 0 | 5 | 32 | 59 | 112 | 106 | 67 | 18 | 3 |



FIGURE 2. COMPARISON OF THE NUMBER OF CADETS (EVALUATED USING ACEER) WITH THE NUMBER OF FULLY EXAMINED CANDIDATES (EVALUATED USING ACEER) AT EACH ACEER SCORE LEVEL FOR THE CLASS OF 1978.

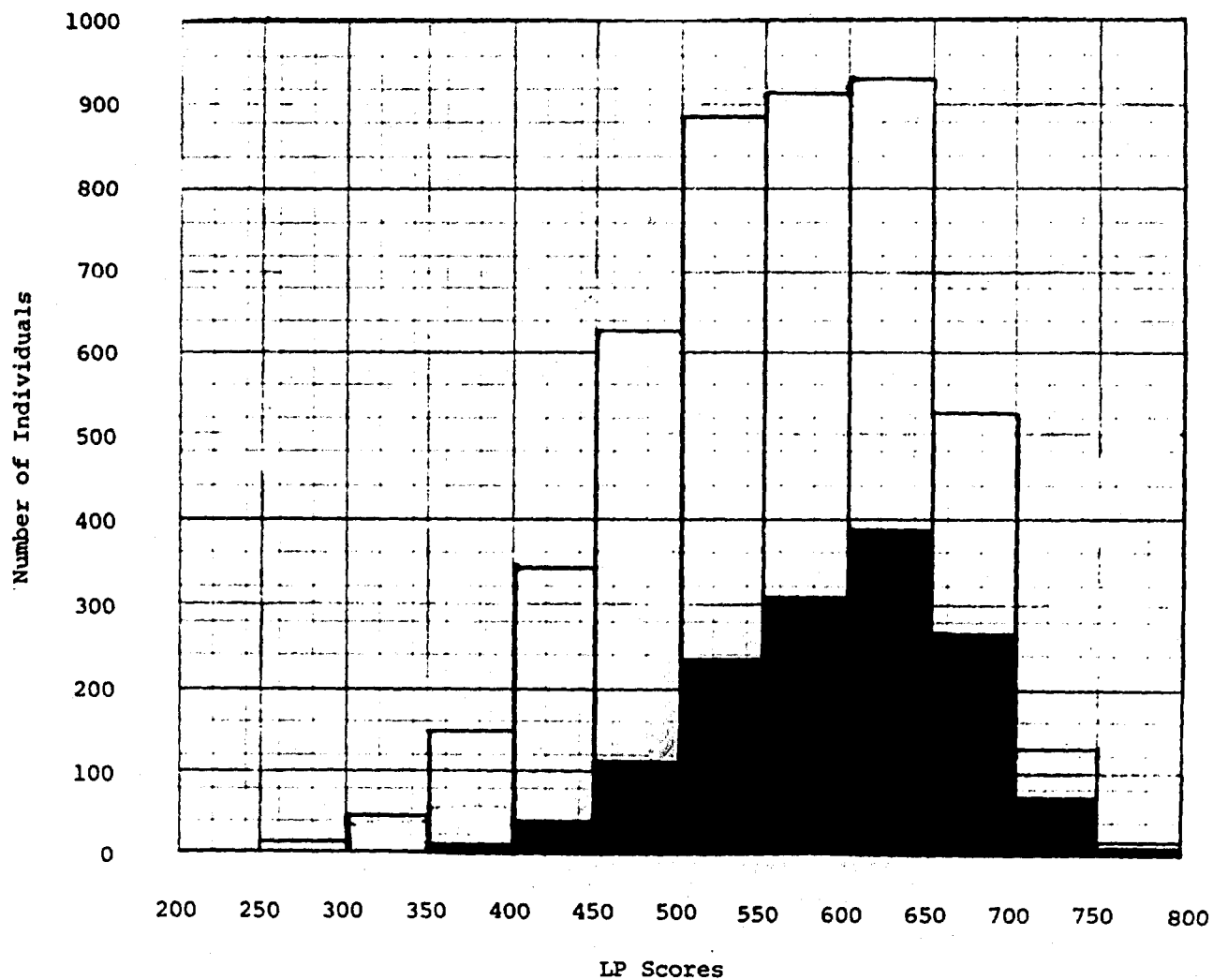
| | | | | | |
|------------|---|------------|--------|--------|-------|
| Candidates |  | Candidates | Number | Mean | SD |
| | | | 4590 | 501.32 | 91.19 |
| Cadets |  | Cadets | Number | Mean | SD |
| | | | 1432 | 541.02 | 70.39 |



| | | | | | | | | | | | | |
|----------------|----|----|-----|-----|------|------|------|------|------|------|------|------|
| No. Candidates | 41 | 70 | 136 | 280 | 570 | 1010 | 1010 | 789 | 459 | 165 | 46 | 8 |
| % Entered | 0 | 0 | 0.7 | 1.4 | 17.2 | 30.4 | 30.3 | 40.3 | 47.1 | 55.2 | 52.2 | 50.0 |
| No. Cadets | 0 | 0 | 1 | 4 | 98 | 307 | 369 | 318 | 216 | 91 | 24 | 4 |

FIGURE 3. COMPARISON OF NUMBER OF CADETS WITH THE NUMBER OF FULLY EXAMINED CANDIDATES AT EACH PHYSICAL APTITUDE SCORE LEVEL FOR THE CLASS OF 1978.

| | | | | | |
|------------|---|------------|------|--------|-------|
| Candidates |  | Candidates | 4577 | 555.45 | 86.16 |
| Cadets |  | Cadets | 1435 | 594.21 | 72.03 |



| | | | | | | | | | | | | |
|----------------|---|----|----|-----|------|------|------|------|------|------|------|------|
| No. Candidates | 0 | 10 | 40 | 159 | 344 | 629 | 892 | 908 | 939 | 526 | 123 | 7 |
| % Entered | 0 | 0 | 0 | 5.0 | 10.8 | 17.5 | 26.5 | 33.6 | 42.1 | 50.6 | 60.2 | 57.1 |
| No. Cadets | 0 | 0 | 0 | 8 | 37 | 110 | 236 | 305 | 395 | 266 | 74 | 4 |

FIGURE 4. COMPARISON OF THE NUMBER OF CADETS WITH THE NUMBER OF FULLY EXAMINED CANDIDATES AT EACH LEADERSHIP POTENTIAL LEVEL FOR THE CLASS OF 1978.

3. Overall Appraisal of Potential for Success at USMA

a. The Whole Man Score is a weighted score consisting of 60% CEER (or ACEER), 10% PAE, and 30% LPS. Table 2 shows the distribution of WMS's in the Class of '78. Moving the decimal point one place to the left converts the WMS to a scale similar to that of its components. Due solely to combining scores, the frequencies of the relatively high and low scores are reduced; i.e., the individuals with the highest scores on one variable do not necessarily have the highest scores on the others.

b. The mean WMS for the Class of 1978 is 5901.5, compared to 5812.2 for the Class of 1977. Graphic comparison of the number of cadets whose scores fall in each WMS range with the number of candidates whose scores fall within the same ranges is provided by Figure 5. The scores have been divided by ten in the figure for ease of comparison.



4. Trends in Admission Scores. Looking only at the Classes of 1978 and 1977 gives a very microscopic view of how well the Academy is attracting outstanding young men for admission. Therefore, trend data are provided for Classes of 1969 through 1978. See Tables 3 and 4 and Figures 6 through 12. These data* show that the academic measures have dropped off somewhat through the Class of 1977, but for the Class of 1978 are the highest in seven years. Table 5 shows the ACEER and the American College Test program scores. There were 284 cadets in the Class of 1976, 435 in the Class of 1977, and 402 in the Class of 1978 admitted using these scores. Table 6 shows selected characteristics of the entering cadets of the Classes of 1970 through 1978, and Table 7 shows high school activities and awards of cadets of these classes.

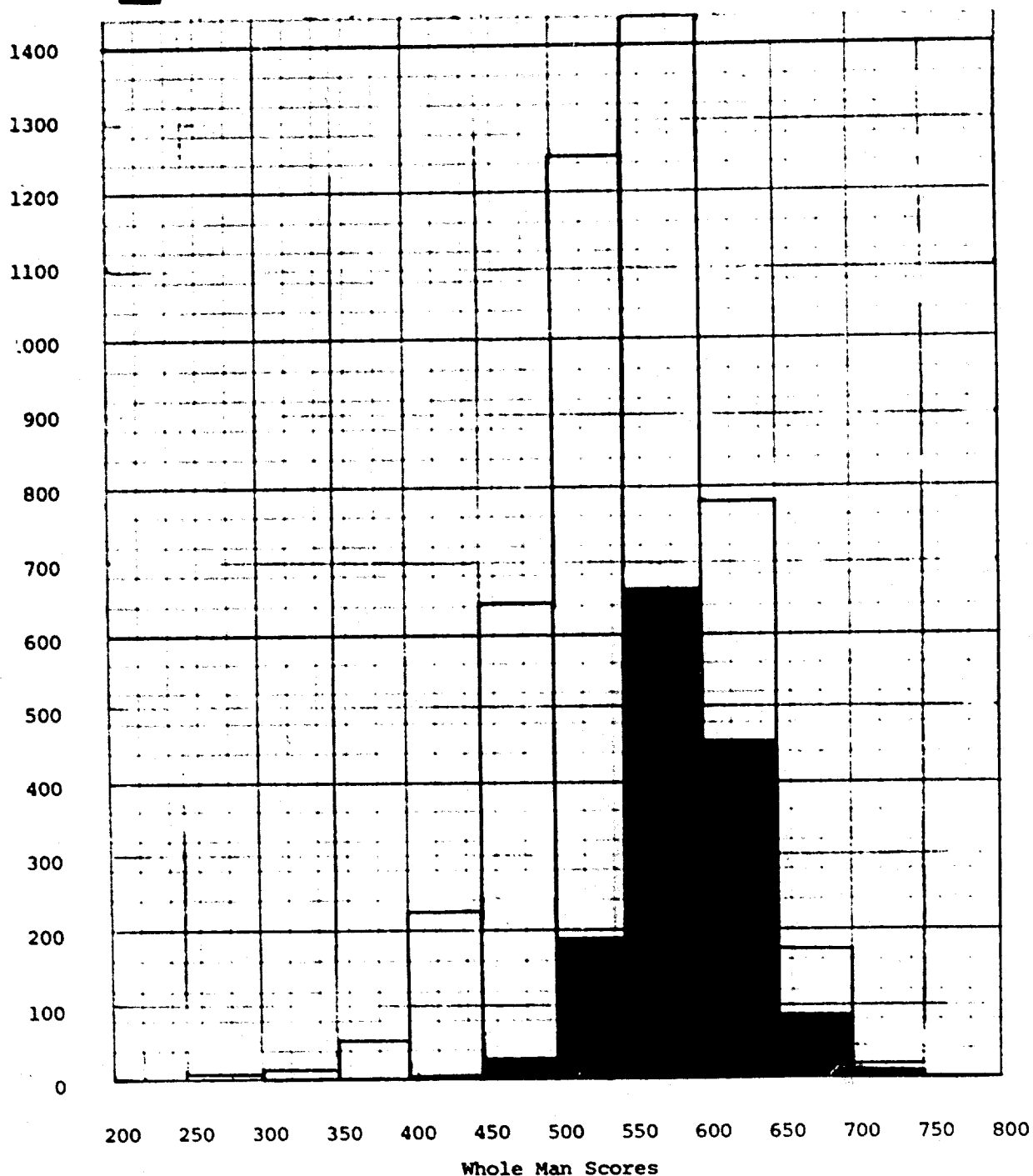
TABLE 2

DISTRIBUTION OF WHOLE MAN SCORES FOR THE CLASS OF 1977

| Score Ranges | No. | % |
|--------------------|--------|------|
| 7500-8000 | 0 | 0 |
| 7000-7499 | 7 | 0.2 |
| 6500-6999 | 86 | 6.0 |
| 6000-6499 | 450 | 32.0 |
| 5500-5999 | 668 | 46.6 |
| 5000-5499 | 192 | 13.4 |
| 4500-5000 | 22 | 1.5 |
| 4000-4499 | 1 | 0.1 |
| ----- | | |
| Total | 1435 | 100% |
| Mean | 5901.5 | |
| Standard Deviation | 398.0 | |

*The data for the variables shown on these tables come from the Class Characteristics reports and from the Basic Candidate tapes.

| | | | <u>Number</u> | <u>Mean</u> | <u>SD</u> |
|------------|---|------------|---------------|-------------|-----------|
| Candidates |  | Candidates | 4577 | 550.14 | 61.70 |
| Cadets |  | Cadets | 1435 | 590.15 | 39.80 |



| | | | | | | | | | | | | |
|----------------|---|---|---|----|-----|-----|------|------|------|------|------|---|
| No. Candidates | 0 | 2 | 7 | 57 | 219 | 639 | 1251 | 1436 | 784 | 169 | 13 | 0 |
| % Entered | 0 | 0 | 0 | 0 | 0.5 | 3.4 | 15.3 | 46.5 | 58.5 | 50.9 | 53.8 | 0 |
| No. Cadets | 0 | 0 | 0 | 0 | 1 | 22 | 192 | 668 | 459 | 86 | 7 | 0 |

FIGURE 5. COMPARISON OF THE NUMBER OF CADETS WITH THE NUMBER OF FULLY EXAMINED CANDIDATES AT EACH WHOLE MAN SCORE LEVEL FOR THE CLASS OF 1978.

TABLE 3

MEANS AND STANDARD DEVIATIONS FOR CEER, LPS, PAE AND WMS
FOR THE CLASSES OF 1969 THROUGH 1978

| Class | CEER | | | LPS | | | PAE | | | WMS | | |
|---------|------|------|----|------|------|----|------|------|-----|------|------|-----|
| | N | Mean | SD | N | Mean | SD | N | Mean | SD | N | Mean | SD |
| 1969 A* | 3978 | 555 | 72 | 4283 | 550 | 82 | 4156 | 508 | 99 | 3689 | 5511 | 581 |
| T | 3391 | 561 | 74 | 3391 | 555 | 81 | 3391 | 515 | 94 | 3391 | 5541 | 572 |
| M | 3051 | 563 | 73 | 3051 | 556 | 80 | 3051 | 518 | 93 | 3051 | 5561 | 567 |
| C | 1133 | 602 | 54 | 1132 | 582 | 75 | 1133 | 548 | 76 | 1051 | 5921 | 405 |
| 1970 A | 3333 | 557 | 74 | 3335 | 552 | 85 | 3368 | 502 | 100 | 3029 | 5529 | 565 |
| T | 2818 | 563 | 72 | 2818 | 556 | 83 | 2818 | 508 | 96 | 2818 | 5554 | 557 |
| M | 2638 | 564 | 71 | 2638 | 558 | 82 | 2638 | 511 | 96 | 2638 | 5566 | 550 |
| C | 1017 | 603 | 54 | 1017 | 594 | 71 | 1017 | 550 | 77 | 1017 | 5953 | 363 |
| 1971 A | 3307 | 559 | 74 | 3294 | 553 | 84 | 3276 | 491 | 102 | 3010 | 5525 | 573 |
| T | 2705 | 565 | 72 | 2705 | 559 | 83 | 2705 | 497 | 100 | 2705 | 5559 | 566 |
| M | 2505 | 566 | 72 | 2505 | 561 | 83 | 2505 | 501 | 99 | 2505 | 5573 | 559 |
| C | 1049 | 598 | 54 | 1049 | 595 | 70 | 1049 | 548 | 74 | 1049 | 5925 | 365 |
| 1972 A | 3386 | 554 | 76 | 3382 | 564 | 80 | 3338 | 519 | 101 | 3053 | 5553 | 581 |
| T | 2657 | 561 | 73 | 2657 | 573 | 77 | 2657 | 532 | 94 | 2657 | 5620 | 557 |
| M | 2514 | 561 | 73 | 2514 | 573 | 77 | 2514 | 533 | 94 | 2514 | 5618 | 558 |
| C | 1239 | 593 | 54 | 1239 | 600 | 64 | 1239 | 561 | 76 | 1239 | 5919 | 336 |
| 1973 A | 3869 | 542 | 77 | 3851 | 563 | 78 | 3966 | 511 | 106 | 3518 | 5476 | 580 |
| T | 3221 | 548 | 75 | 3221 | 568 | 77 | 3221 | 515 | 101 | 3221 | 5508 | 596 |
| M | 3041 | 548 | 75 | 3041 | 569 | 77 | 3041 | 518 | 100 | 3041 | 5516 | 569 |
| C | 1439 | 582 | 57 | 1439 | 595 | 68 | 1427 | 547 | 81 | 1427 | 5829 | 369 |
| 1974 A | 6519 | 531 | 83 | 7239 | 574 | 70 | 4706 | 512 | 105 | 6213 | 5427 | 582 |
| T | 3858 | 547 | 78 | 3735 | 581 | 69 | 3912 | 514 | 103 | 3717 | 5551 | 550 |
| M | 3147 | 553 | 76 | 3093 | 586 | 65 | 3168 | 524 | 96 | 3088 | 5606 | 534 |
| C | 1373 | 589 | 60 | 1373 | 609 | 59 | 1366 | 553 | 82 | 1373 | 5912 | 353 |

*A = all candidates tested on variables; T = all candidates fully tested on CEER, LPS, PAE and WMS; M = all candidates fully tested and medically qualified; C = admitted candidates who became cadets.

TABLE 3 (Continued).

MEANS AND STANDARD DEVIATIONS FOR CEER, LPS, PAE AND WMS
FOR THE CLASSES OF 1969 THROUGH 1978

| Class | CEER | | | LPS | | | PAE | | | WMS | | |
|----------|------|------|----|------|------|----|------|------|-----|------|------|-----|
| | N | Mean | SD | N | Mean | SD | N | Mean | SD | N | Mean | SD |
| 1975 A * | 6674 | 520 | 88 | 8041 | 567 | 77 | 4477 | 505 | 107 | 6587 | 5326 | 623 |
| T | 3832 | 538 | 81 | 3843 | 573 | 78 | 3892 | 508 | 105 | 3797 | 5461 | 596 |
| N | 3527 | 540 | 80 | 3533 | 576 | 78 | 3568 | 511 | 103 | 3501 | 5484 | 589 |
| C | 1339 | 582 | 59 | 1339 | 608 | 65 | 1336 | 546 | 81 | 1339 | 5865 | 356 |
| 1976**A | 6213 | 518 | 89 | 6440 | 568 | 76 | 4323 | 508 | 110 | 6440 | 5303 | 636 |
| T | 2943 | 541 | 87 | 3897 | 575 | 75 | 3924 | 510 | 108 | 3897 | 5437 | 601 |
| N | 2717 | 542 | 83 | 3593 | 577 | 74 | 3614 | 514 | 107 | 3593 | 5453 | 597 |
| C | 1094 | 580 | 63 | 1378 | 609 | 57 | 1375 | 553 | 84 | 1378 | 5837 | 351 |
| 1977**A | 6397 | 515 | 87 | 6790 | 565 | 83 | 4734 | 488 | 106 | 6732 | 5273 | 639 |
| T | 2505 | 543 | 80 | 2496 | 576 | 82 | 2504 | 502 | 102 | 2496 | 5488 | 590 |
| N | 2341 | 545 | 79 | 2336 | 578 | 81 | 2341 | 504 | 102 | 2336 | 5508 | 581 |
| C | 941 | 574 | 64 | 1376 | 613 | 68 | 1371 | 537 | 78 | 1376 | 5812 | 366 |
| 1978**A | 6696 | 538 | 92 | 7117 | 545 | 86 | 5435 | 498 | 94 | 7117 | 5355 | 655 |
| T | 3264 | 557 | 88 | 4587 | 555 | 86 | 4590 | 501 | 91 | 4577 | 5502 | 617 |
| N | 3010 | 558 | 87 | 4219 | 558 | 86 | 4227 | 503 | 90 | 4219 | 5512 | 613 |
| C | 1033 | 597 | 69 | 1435 | 594 | 72 | 1432 | 541 | 70 | 1435 | 5901 | 398 |

*A = all candidates tested on variables; T = all candidates fully tested on CEER, LPS, PAE and WMS; N = all candidates fully tested and medically qualified; C = admitted candidates who became cadets.

**ACEER scores for the Classes of 1976, 1977 and 1978 are shown in Table 5. The "N" for CEER, for fully tested candidates, fully tested and medically qualified candidates, and for admitted cadets in the Classes of 1976, 1977 and 1978 includes only those who were evaluated using CEER.

TABLE 4
MEANS AND STANDARD DEVIATIONS FOR SAT-V, SAT-M, and HSR
FOR THE CLASSES OF 1969 THROUGH 1978

| Class | | SAT-V | | | SAT-M | | | HSR | | |
|-------|-----|-------|------|----|-------|------|----|------|------|-----|
| | | N | Mean | SD | N | Mean | SD | N | Mean | SD |
| 1969 | A* | 4295 | 542 | 90 | 4293 | 606 | 92 | 4413 | 508 | 116 |
| | T** | 3391 | 550 | 85 | 3391 | 617 | 87 | 3391 | 516 | 114 |
| | M | 3051 | 552 | 85 | 3051 | 619 | 85 | 3051 | 518 | 114 |
| | C | 1133 | 578 | 70 | 1133 | 655 | 63 | 1133 | 563 | 102 |
| 1970 | A | 3633 | 546 | 91 | 3633 | 606 | 88 | 3558 | 508 | 116 |
| | T | 2818 | 554 | 87 | 2818 | 616 | 82 | 2818 | 516 | 114 |
| | M | 2638 | 555 | 86 | 2638 | 618 | 81 | 2638 | 516 | 114 |
| | C | 1017 | 581 | 75 | 1017 | 654 | 62 | 1017 | 561 | 102 |
| 1971 | A | 3684 | 542 | 93 | 3684 | 607 | 87 | 3490 | 506 | 114 |
| | T | 2705 | 553 | 87 | 2705 | 616 | 81 | 2706 | 514 | 113 |
| | M | 2505 | 553 | 87 | 2505 | 617 | 81 | 2506 | 514 | 112 |
| | C | 1049 | 574 | 74 | 1049 | 649 | 62 | 1049 | 551 | 101 |
| 1972 | A | 3808 | 540 | 95 | 3808 | 601 | 89 | 3564 | 501 | 118 |
| | T | 2657 | 552 | 89 | 2657 | 614 | 82 | 2657 | 509 | 115 |
| | M | 2514 | 551 | 89 | 2514 | 614 | 82 | 2514 | 508 | 116 |
| | C | 1239 | 579 | 73 | 1239 | 645 | 61 | 1239 | 543 | 105 |
| 1973 | A | 4394 | 526 | 93 | 4394 | 591 | 92 | 4101 | 493 | 117 |
| | T | 3221 | 536 | 89 | 3221 | 601 | 86 | 3221 | 501 | 114 |
| | M | 3041 | 536 | 89 | 3041 | 602 | 86 | 3041 | 501 | 114 |
| | C | 1439 | 562 | 77 | 1439 | 635 | 67 | 1439 | 538 | 102 |
| 1974 | A | 6519 | 531 | 83 | 6339 | 577 | 95 | 7168 | 492 | 117 |
| | T | 3912 | 533 | 92 | 3911 | 594 | 89 | 3858 | 505 | 115 |
| | M | 3168 | 539 | 90 | 3167 | 601 | 86 | 3147 | 510 | 113 |
| | C | 1373 | 563 | 80 | 1372 | 633 | 69 | 1373 | 552 | 104 |

*A = all candidates tested on variables; T = all candidates fully tested on CEER, LPS, PAE, and WMS; M = all candidates fully tested and medically qualified; C = admitted candidates who became cadets.

**Number with CEER score may be greater than those with CEER components, as many of the candidates with HSR and Preliminary SAT scores were given an estimated CEER.

TABLE 4 (Continued)

MEANS AND STANDARD DEVIATIONS FOR SAT-V, SAT-M, AND HSR
FOR THE CLASSES OF 1969 THROUGH 1978

| Class | | SAT-V | | | SAT-M | | | HSR | | |
|----------|-----|-------|------|-----|-------|------|-----|------|------|-----|
| | | N | Mean | SD | N | Mean | SD | N | Mean | SD |
| 1975 | A* | 6239 | 506 | 99 | 6237 | 567 | 99 | 7470 | 483 | 122 |
| | T | 3877 | 521 | 95 | 3877 | 581 | 93 | 3834 | 499 | 120 |
| | M | 3554 | 522 | 94 | 3554 | 583 | 92 | 3529 | 502 | 119 |
| | C** | 1329 | 554 | 78 | 1329 | 622 | 70 | 1339 | 553 | 106 |
| 1976***A | | 5539 | 505 | 99 | 5536 | 564 | 99 | 6512 | 484 | 120 |
| | T | 2942 | 528 | 94 | 2942 | 586 | 93 | 2943 | 499 | 120 |
| | M | 2716 | 529 | 93 | 2716 | 588 | 92 | 2717 | 499 | 121 |
| | C | 1094 | 554 | 80 | 1094 | 624 | 70 | 1094 | 539 | 109 |
| 1977***A | | 5439 | 498 | 96 | 5439 | 559 | 98 | 6796 | 491 | 120 |
| | T | 2502 | 522 | 91 | 2503 | 587 | 94 | 2505 | 509 | 117 |
| | M | 2338 | 524 | 90 | 2339 | 590 | 87 | 2341 | 510 | 116 |
| | C | 941 | 545 | 81 | 941 | 619 | 70 | 941 | 541 | 110 |
| 1978***A | | 4937 | 513 | 101 | 4937 | 576 | 102 | 7197 | 503 | 121 |
| | T | 3264 | 531 | 95 | 3264 | 594 | 95 | 3264 | 514 | 120 |
| | M | 3010 | 531 | 95 | 3010 | 595 | 94 | 3010 | 514 | 120 |
| | C | 1033 | 562 | 80 | 1033 | 635 | 73 | 1033 | 552 | 112 |

*A = all candidates tested on variables; T = all candidates fully tested on CEER, LPS, PAE, and WMS; M = all candidates fully tested and medically qualified; C = admitted candidates who became cadets.

**Ten cadets in the Class of 1975 admitted through use of ACT scores rather than College Entrance Examination Board Scores.

***The "N" for these variables for fully tested candidates, fully tested and medically qualified candidates, and for admitted cadets in the Classes of 1976, 1977 and 1978 includes only those who were evaluated using CEER.

TABLE 5

MEANS AND STANDARD DEVIATIONS FOR ACEER, ACT-EN, ACT-MA, ACT-NA, AND HSR FOR THE CLASSES OF 1976 THROUGH 1978

| CLASS | ACEER | | | ACT-EN | | | ACT-MA | | | ACT-NA | | | HSR | | | |
|-------|-------|------|-----|--------|------|------|--------|------|------|--------|------|------|-----|------|-----|-----|
| | N | Mean | SD | N | Mean | SD | N | Mean | SD | N | Mean | SD | N | Mean | SD | |
| 1976 | A* | 1829 | 508 | 92 | 1860 | 20.2 | 4.4 | 1860 | 25.7 | 5.6 | 1859 | 25.6 | 5.6 | 6512 | 484 | 120 |
| | T | 977 | 511 | 81 | 979 | 20.2 | 4.2 | 979 | 25.9 | 5.4 | 979 | 25.9 | 5.2 | 991 | 488 | 111 |
| | M | 893 | 511 | 80 | 895 | 20.1 | 4.2 | 895 | 25.9 | 5.3 | 895 | 25.9 | 5.2 | 897 | 489 | 112 |
| | C | 294 | 563 | 50 | 284 | 22.0 | 3.0 | 284 | 28.9 | 3.1 | 284 | 23.2 | 3.7 | 284 | 547 | 98 |
| 1977 | A* | 2475 | 516 | 86 | 2572 | 20.0 | 4.4 | 2572 | 25.2 | 5.8 | 2569 | 25.3 | 5.6 | 6796 | 491 | 120 |
| | T | 1307 | 532 | 77 | 1307 | 20.5 | 3.9 | 1307 | 26.5 | 5.2 | 1307 | 26.3 | 4.9 | 1307 | 509 | 110 |
| | M | 1204 | 533 | 76 | 1204 | 20.5 | 3.9 | 1204 | 26.6 | 5.1 | 1204 | 26.4 | 4.8 | 1204 | 510 | 110 |
| | C | 435 | 569 | 49 | 435 | 21.7 | 3.2 | 435 | 28.7 | 3.2 | 435 | 27.8 | 3.9 | 435 | 553 | 94 |
| 1978 | A* | 2935 | 532 | 94 | 3126 | 20.4 | 4.4 | 3126 | 25.9 | 5.5 | 3112 | 26.5 | 5.4 | 7197 | 503 | 121 |
| | T | 1324 | 552 | 85 | 1326 | 21.1 | 3.9 | 1326 | 27.3 | 4.9 | 1326 | 27.4 | 4.7 | 1326 | 521 | 113 |
| | M | 1216 | 552 | 85 | 1217 | 21.1 | 3.9 | 1217 | 27.3 | 4.8 | 1217 | 27.4 | 4.6 | 1217 | 521 | 114 |
| | C | 402 | 596 | 67 | 402 | 22.5 | 3.7 | 402 | 29.5 | 3.5 | 402 | 23.8 | 4.0 | 402 | 574 | 104 |

*A = all candidates tested on variables; T = all candidates fully tested and evaluated using ACEER; M = all candidates fully tested, medically qualified and evaluated using ACEER; C = admitted cadets evaluated using ACEER.

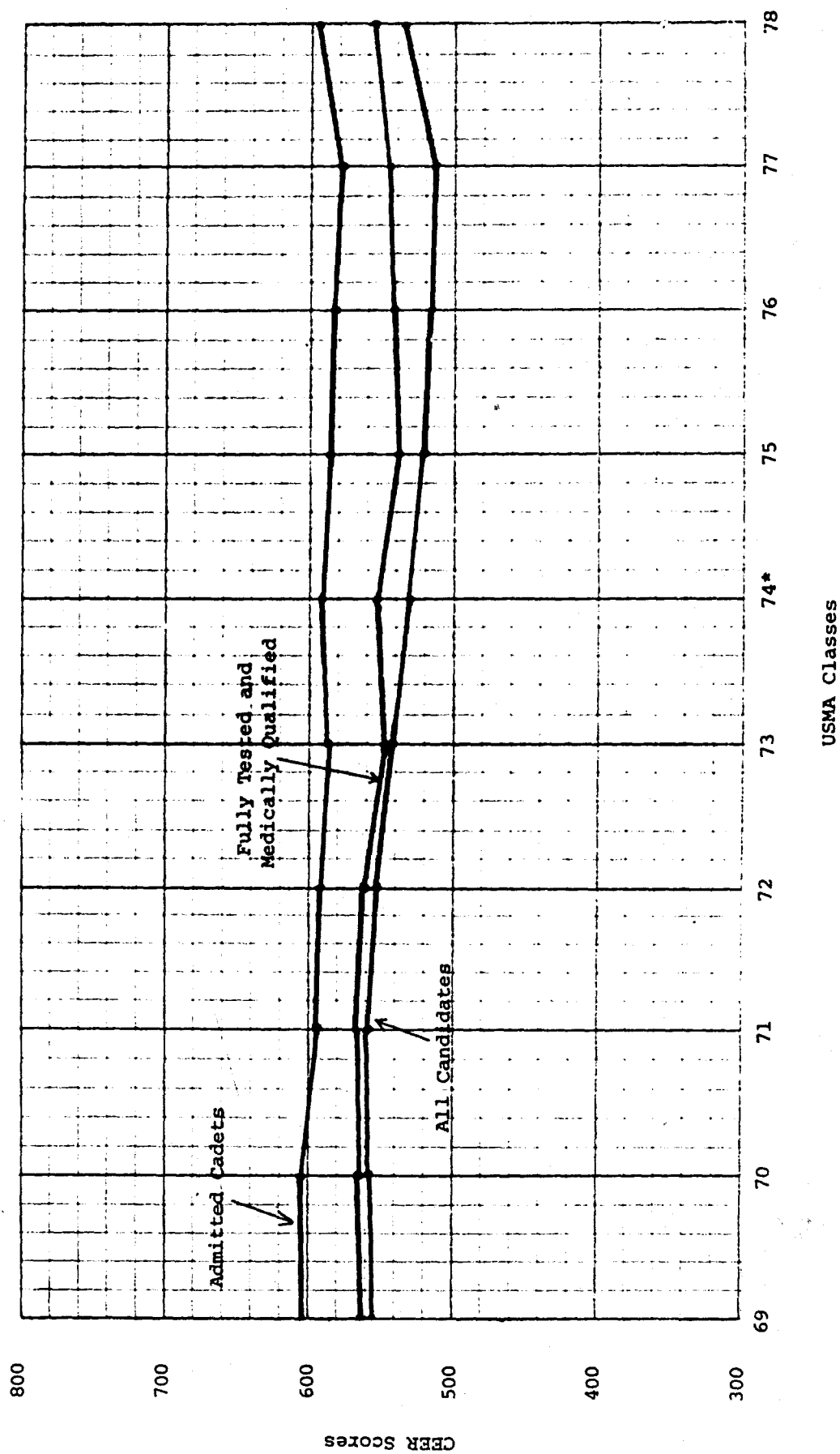


FIGURE 6. TRENDS OF MEAN CEER SCORES FOR THE CANDIDATES AND ENTERING CADETS TO THE CLASSES OF 1969 THROUGH 1978

*Approximately 80% increase in size of candidate pool in Classes of 74, 75, 76, 77, and 78.

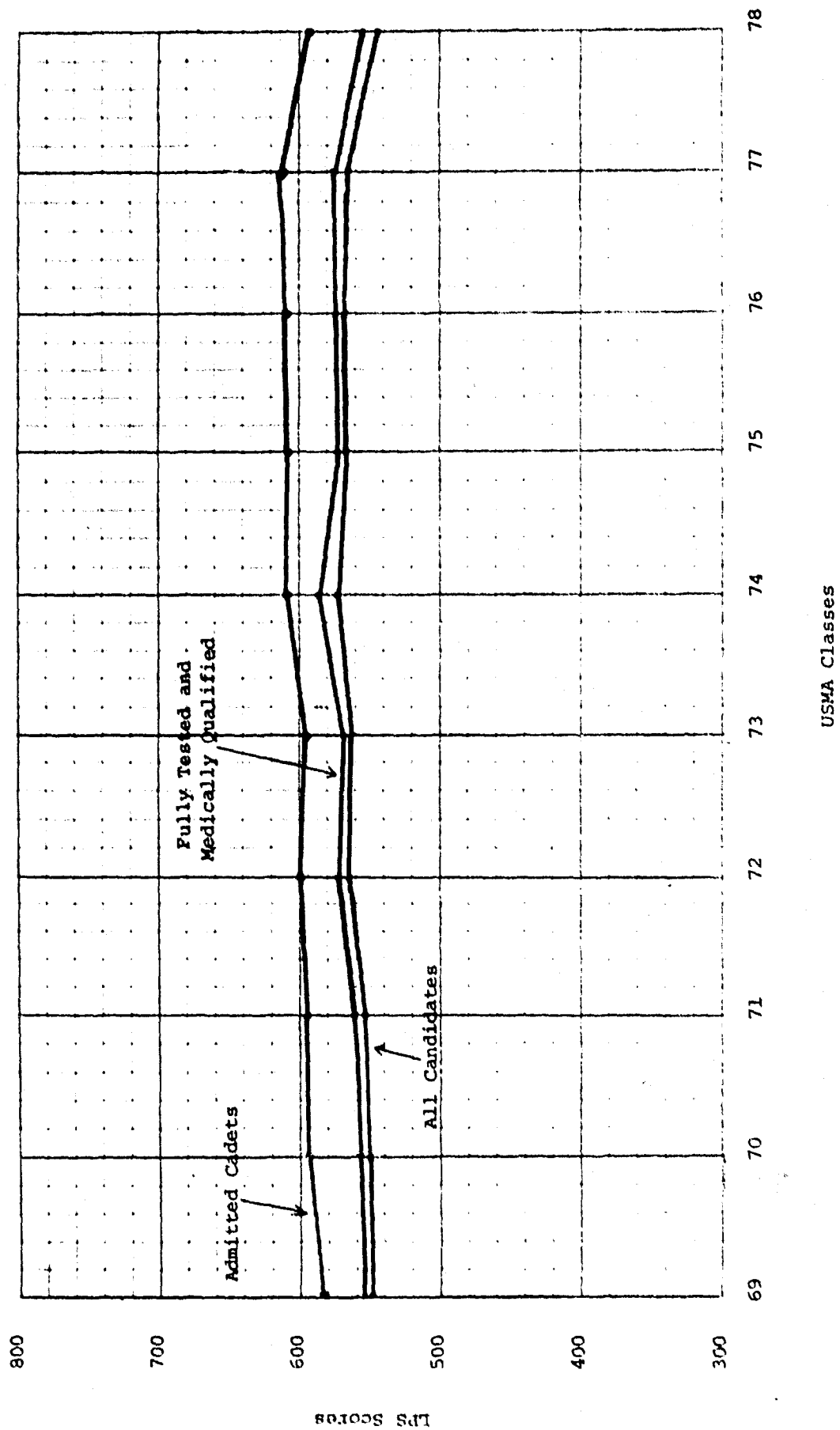


FIGURE 7. TRENDS OF MEAN LEADERSHIP POTENTIAL SCORES FOR THE CANDIDATES AND ENTERING CADETS TO THE CLASSES OF 1969 THROUGH 1978.

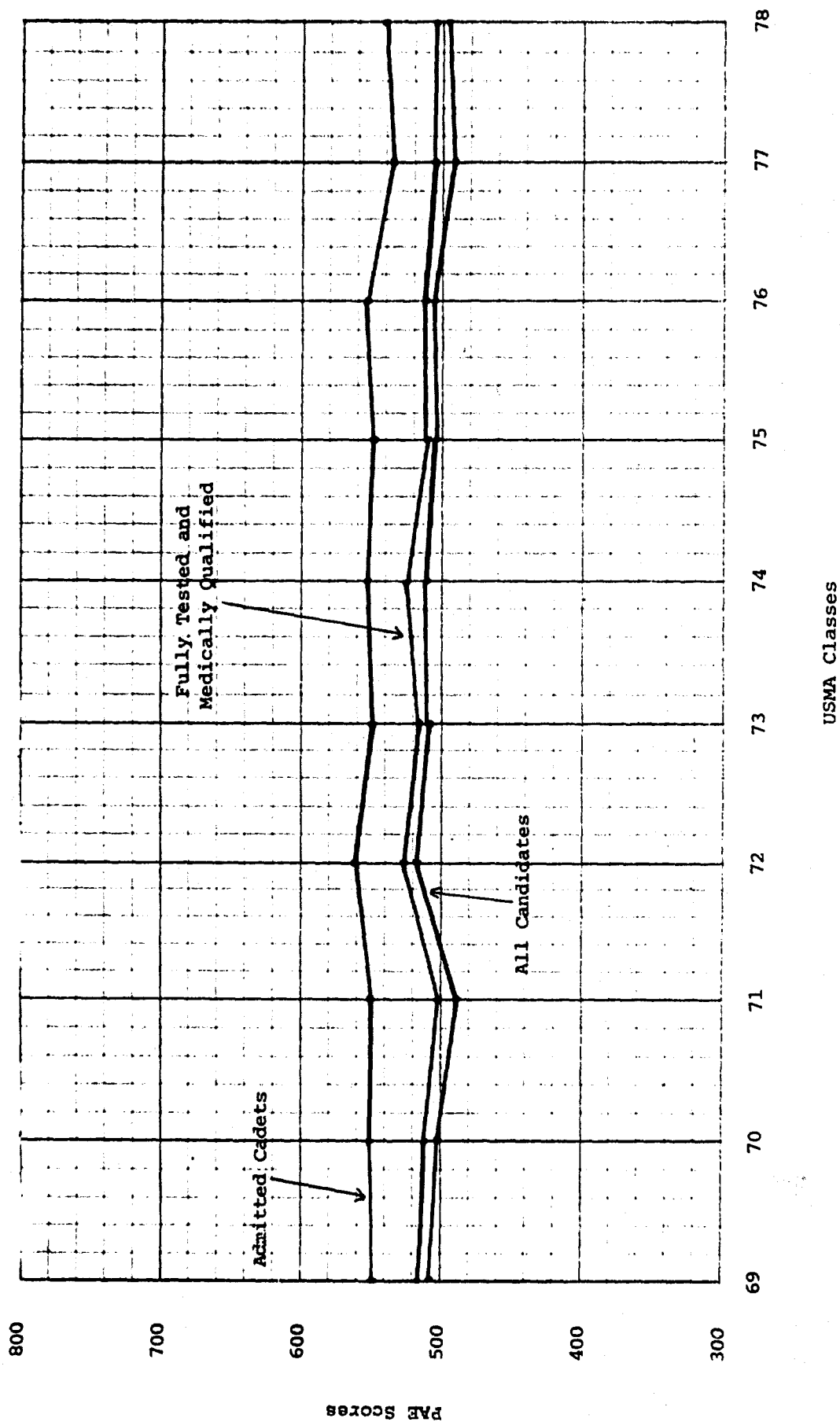


FIGURE 8. TRENDS OF MEAN PAF SCORES FOR THE CANDIDATES AND ENTERING CADETS TO THE CLASSES OF 1969 THROUGH 1978.

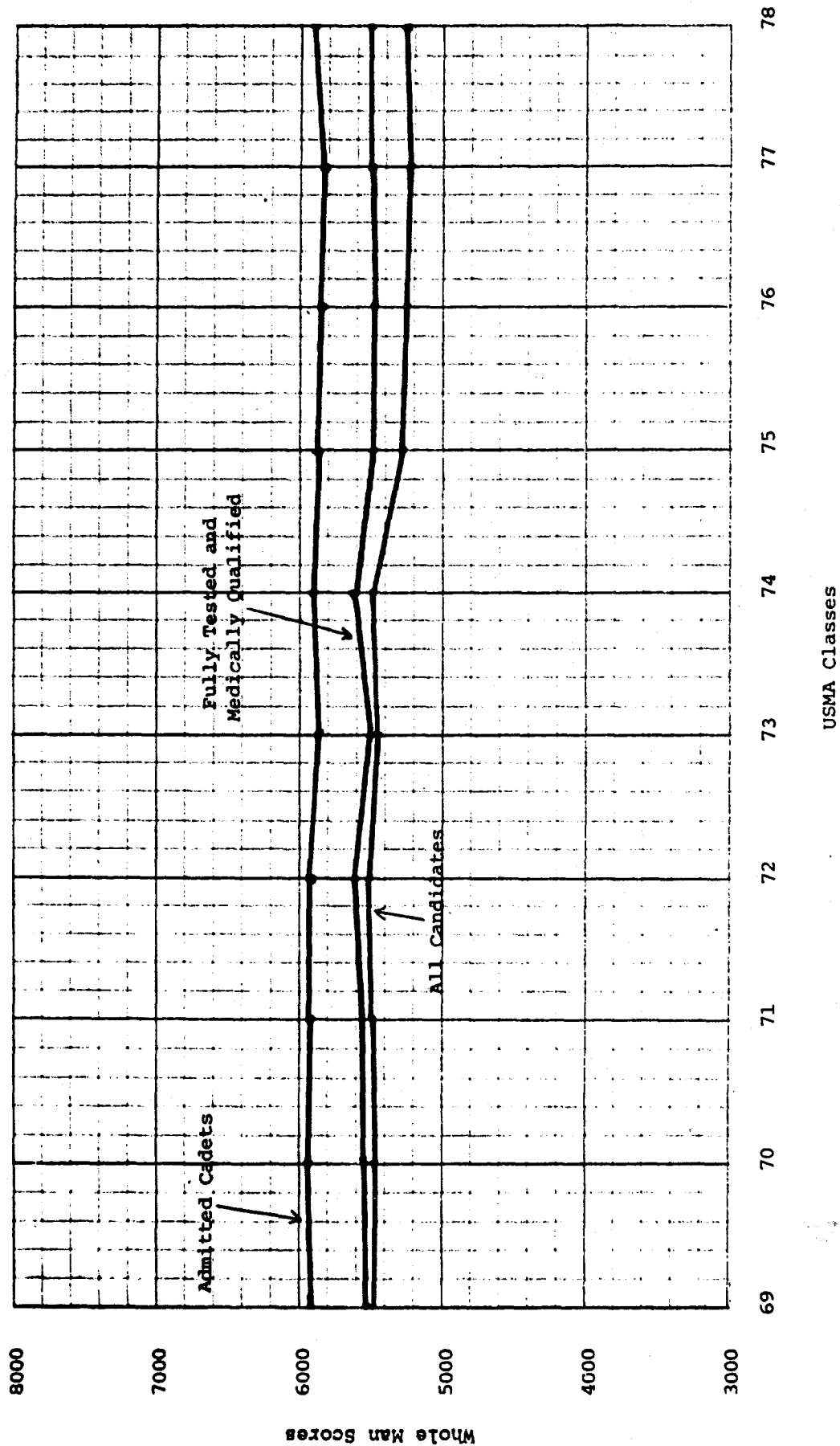


FIGURE 9. TRENDS OF MEAN WHOLE MAN SCORES FOR THE CANDIDATES AND ENTERING CADETS TO THE CLASSES OF 1969 THROUGH 1978.

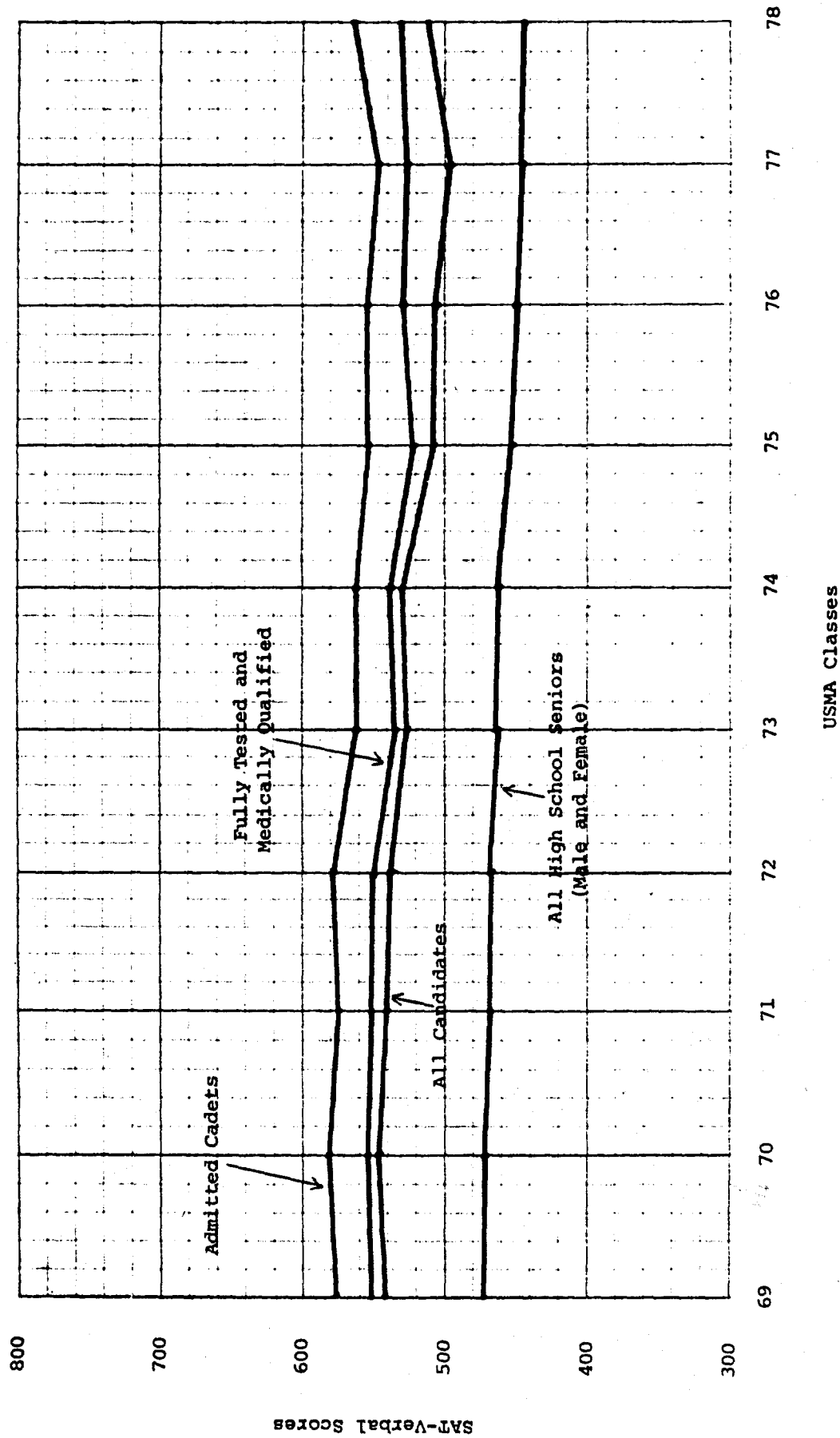


FIGURE 10. TRENDS IN MEAN SAT-VERBAL SCORES FOR THE CANDIDATES AND ENTERING CADETS TO THE CLASSES OF 1969 THROUGH 1978 AND ALL HIGH SCHOOL SENIORS, NATIONWIDE.

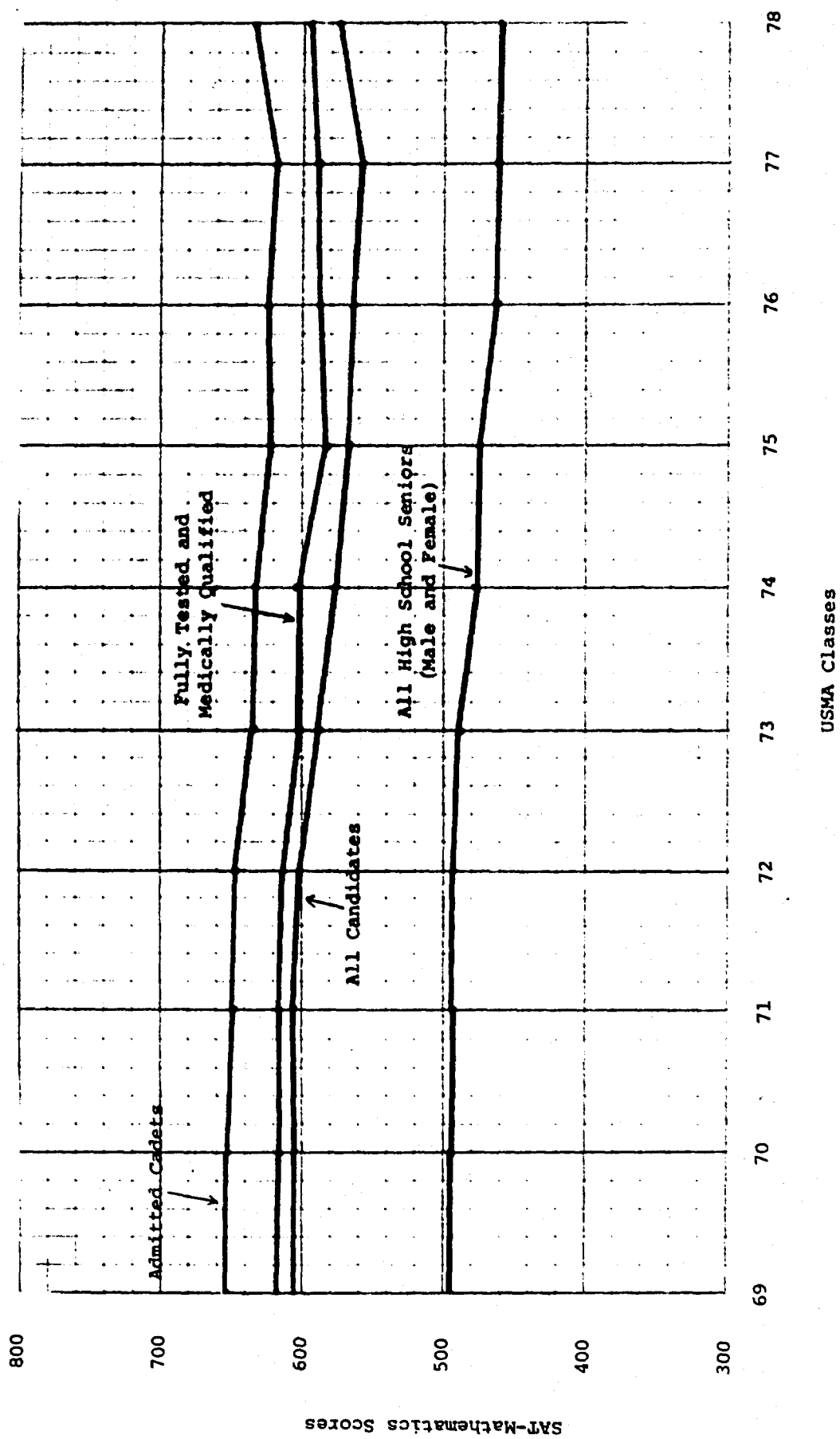


FIGURE 11. TRENDS OF MEAN SAT-MATHEMATICS SCORES FOR THE CANDIDATES AND ENTERING CADETS TO THE CLASSES OF 1969 THROUGH 1978 AND ALL HIGH SCHOOL SENIORS, NATIONWIDE.

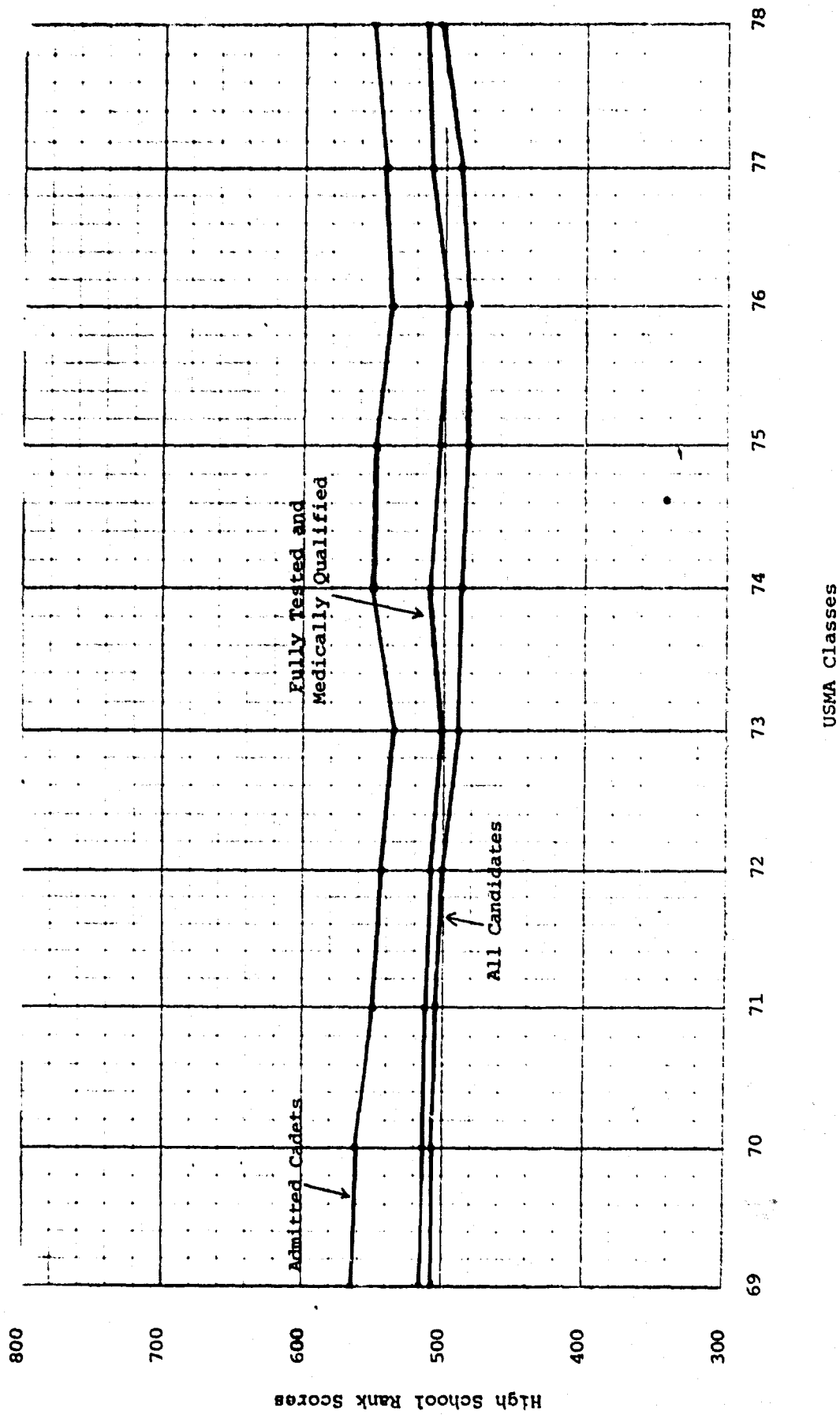


FIGURE 12. TRENDS OF MEAN HIGH SCHOOL RANK SCORES FOR THE CANDIDATES AND CADETS TO THE CLASSES OF 1969 THROUGH 1978.

SUMMARY

Over the ten year period from the entrance of the Class of '69 to the Class of '78, admission variables for the admitted classes show the following trends:

a. CEER scores show a stable period from the Classes of '69 to '70, a gradual decrease to the Class of '73, a fairly stable level to the Class of '76, and a sharp increase for the Class of '78.

b. SAT-Verbal and SAT-Math scores show a similar pattern, with the Class of '78 having the highest scores of the past four years.

c. The Whole Man Scores were quite stable for the Classes of '69 to '72; then, after a decline through the Class of '77, there was an increase for the Class of '78.

d. The Leadership Potential Score decreased slightly for the Class of '78 but has been relatively constant over the 10 year period.

e. The High School Rank score has been fairly constant, but the Class of '78 has the highest score in eight years.

TABLE 6

SELECTED CHARACTERISTICS OF THE ENTERING CADETS TO THE CLASSES OF 1970 THROUGH 1978

| | CLASS | | | | | | | | |
|--|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 |
| Cadets with 1 or More Semesters of College | 193(19.0%) | 246(23.3%) | 241(19.4%) | 184(12.8%) | 154(11.3%) | 191(14.3%)* | 194(14.1%)* | 201(14.6%)* | 195(13.6%)* |
| Sons of Alumni of USMA | 68 (6.7%) | 55 (5.2%) | 67 (5.4%) | 67 (4.7%) | 71 (5.2%) | 66 (4.9%) | 59 (4.3%) | 64 (4.7%) | 50 (3.5%) |
| Attended USMA Preparatory School | 96 (9.4%) | 118(11.2%) | 125(10.0%) | 130 (9.0%) | 188(13.7%) | 147(11.0%) | 156(11.3%) | 194(14.1%) | 187(13.0%) |
| Attended Other Preparatory School | 57 (5.7%) | 59 (5.6%) | 71 (5.8%) | 70 (4.9%) | 101 (7.3%) | 41 (3.0%) | 51 (3.7%) | 35 (2.5%) | 18 (1.3%) |
| Attended Public High School | 849(83.5%) | 876(83.1%) | 1023(82.2%) | 1212(84.3%) | 1171(85.3%) | 1122(83.8%) | 1171(85.0%) | 1129(82.0%) | 1216(84.8%) |
| Attended Private High School | 168(16.5%) | 178(16.9%) | 221(17.8%) | 226(15.7%) | 202(14.7%) | 215(16.1%) | 206(15.0%) | 247(18.0%) | 219(15.2%) |
| Rank in High School Class | | | | | | | | | |
| Top Fifth | 809(79.5%) | 806(76.5%) | 938(75.4%) | 1066(74.1%) | 1057(76.9%) | 947(70.7%) | 966(70.1%) | 928(67.4%) | 1019(71.0%) |
| Second Fifth | 144(14.2%) | 164(15.5%) | 235(18.9%) | 264(18.4%) | 229(16.7%) | 280(20.9%) | 297(21.6%) | 317(23.0%) | 290(20.2%) |
| Third Fifth | 54 (5.3%) | 75 (7.1%) | 63 (5.1%) | 92 (6.4%) | 75 (5.5%) | 96 (7.2%) | 98 (7.1%) | 106 (7.7%) | 99 (6.9%) |
| Fourth Fifth | 9 (0.9%) | 6 (0.6%) | 7 (0.6%) | 12 (0.8%) | 8 (0.6%) | 10 (0.8%) | 14 (1.0%) | 21 (1.5%) | 20 (1.4%) |
| Bottom Fifth | 1 (0.1%) | 3 (0.3%) | 1 (0.1%) | 4 (0.3%) | 3 (0.2%) | 4 (0.3%) | 2 (0.2%) | 2 (0.2%) | 5 (0.4%) |
| Valedictorians | 55 (5.4%) | 59 (5.6%) | 62 (5.0%) | 53 (3.7%) | 56 (4.1%) | 68 (5.1%) | 65 (4.7%) | 59 (4.3%) | 81 (5.6%) |
| Salutatorians | 41 (4.0%) | 40 (3.8%) | 35 (2.8%) | 56 (3.9%) | 57 (4.2%) | 40 (3.0%) | 32 (2.3%) | 53 (3.9%) | 56 (3.9%) |
| N = | 1017 | 1054 | 1244 | 1438 | 1373 | 1339 | 1378 | 1376 | 1435 |

*In 1975 through 1978 indicates one or more months of college.

TABLE 7

SELECTED HIGH SCHOOL ACTIVITIES AND AWARDS OF THE ENTERING CADETS TO THE CLASSES OF 1970 THROUGH 1978

| | CLASS | | | | | | | | |
|------------------------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 |
| Senior Class President | 83 (8.2%) | 110(10.4%) | 88 (7.1%) | 84 (5.8%) | 64 (4.7%) | 69 (5.2%) | 55 (4.0%) | 67 (4.9%) | 68 (4.7%) |
| Senior Class Officer | 117(11.5%) | 114(10.8%) | 105 (8.4%) | 137 (9.5%) | 175(12.8%) | 117 (8.7%) | 110 (8.0%) | 184(13.4%) | 167(11.6%) |
| Student Body President | 63 (6.2%) | 105(10.0%) | 55 (4.4%) | 75 (5.2%) | 102 (7.4%) | 57 (4.3%) | 60 (4.4%) | 62 (4.5%) | 62 (4.3%) |
| School Club President | 381(37.5%) | 429(40.7%) | 287(23.1%) | 439(30.5%) | 435(31.7%) | 600(44.8%)* | 701(50.9%)* | 713(51.8%) | 648(45.2%) |
| Debate Team | 155(15.2%) | 166(15.7%) | 162(13.0%) | 173(12.0%) | 160(11.7%) | 144(10.8%) | 111 (8.1%) | 139(10.1%) | 135 (9.4%) |
| Varsity Lettermen | 667(65.8%) | 698(66.3%) | 956(76.8%) | 1068(74.3%) | 1070(77.9%) | 1029(76.9%) | 1112(80.7%) | 1079(78.4%) | 1137(79.2%) |
| Team Captains** | 526(51.7%) | 558(52.9%) | 423(34.0%) | 480(33.4%) | 466(33.9%) | 416(31.1%) | 466(33.8%) | 458(33.3%) | 499(34.8%) |
| All Conference | 156(15.4%) | 165(15.7%) | 314(25.2%) | 391(27.3%) | 325(23.7%) | 363(27.1%) | 473(34.3%) | 438(31.8%) | 452(31.5%) |
| Boy Scouts, All | 666(65.5%) | 654(62.0%) | 695(55.9%) | 829(57.6%) | 776(56.5%) | 748(55.9%) | 757(54.9%) | 794(57.7%) | 723(50.4%) |
| Boy Scouts, Eagle | 157(15.4%) | 208(19.7%) | 168(13.5%) | 184(12.8%) | 176(12.8%) | 205(15.3%) | 204(14.8%) | 190(13.8%) | 184(12.8%) |
| Boys State Representative | 222(21.5%) | 328(31.1%) | 265(21.3%) | 331(23.0%) | 373(27.2%) | 261(19.5%) | 270(19.6%) | 293(21.3%) | 302(21.0%) |
| High School Dramatic Club | 163(16.0%) | 159(15.1%) | 181(14.5%) | 187(13.0%) | 193(14.1%) | 189(14.1%) | 169(12.3%) | 151(11.0%) | 153(10.7%) |
| Bausch & Lomb Science Award | 18 (1.8%) | 37 (3.5%) | 26 (2.1%) | 26 (1.8%) | 20 (1.5%) | 29 (2.2%) | 26 (1.9%) | 25 (1.8%) | 31 (2.2%) |
| American Legion Award | 101 (9.9%) | 94 (8.9%) | 90 (7.2%) | 104 (7.2%) | 128 (9.3%) | 108 (8.1%) | 120 (8.7%) | 128 (9.3%) | 112 (7.8%) |
| Cadets with Prior Service*** | 121(11.9%) | 142(13.5%) | 161(13.0%) | 134 (9.3%) | 193(14.1%) | 163(12.2%) | 165(12.0%) | 195(14.2%) | 236(16.4%) |

*President or Vice President

**Listed more than once if Captain in more than one sport for Classes of 1970 and 1971.

***Mostly USMA Preparatory School.

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| 20. ABSTRACT (Continue on reverse side if necessary and identify by block number) The United States Military Academy uses the Whole Man concept in the selection of candidates for admission. This concept encompasses three broad areas: scholastic, leadership potential, and physical condition and aptitude. The entrance scores for each of these areas are compared with previous classes. The American College Testing Program scores were used to admit 402 cadets to the Class of 1978. These scores are included, but since this is only the third year they were used, there are not enough scores of previous classes to show trends. The Class of 1978 compared to previous classes has a slight increase in its academic potential. The mean Leadership Potential Score is down slightly from last year. The mean Physical Aptitude Examination scores are up slightly. Trend data for the Classes of 1969 to 1978 are presented. An important point in interpreting the data is that the total number of candidates increased greatly for the Classes of 1974 through 1978 compared to the Classes of 1973 and before. | | |

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